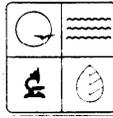


TAP INTO DNR



Vol. 1 No. 1

Missouri Department of Natural Resources
Technical Assistance Program

Spring 1995

DNR forms Technical Assistance Program

The Missouri Department of Natural Resources (DNR) has formed a Technical Assistance Program to help business owners, farmers, local governments and the general public control or prevent pollution. The new program, called TAP, is part of the department's Division of Environmental Quality.

Under the leadership of director Jim Penfold, TAP provides environmental information, education, training and assistance services.

TAP staff provide many services including:

- answer questions about environmental issues or regulations;
- provide technical assistance to small businesses, agricultural facilities and local governments;
- encourage pollution prevention, helping people find ways to reduce, reuse or recycle waste;
- coordinate training and certification of public drinking water and wastewater treatment facility operators;
- hold environmental education workshops for teachers;
- provide operational assistance

to wastewater treatment facilities;

- provide information and guidance on the proper management of household hazardous wastes.

TAP operates a toll-free telephone service. Callers can ask

about environmental programs, request documents or seek other information.

TAP is located at 1908 Bubba Lane, near Highway 54 in southern Jefferson City. For more information, call (314) 526-6627 or toll-free, 1-800-361-4827.

Not another newsletter!

Welcome to the first edition of *TAP into DNR*, the quarterly newsletter of the Department of Natural Resources' (DNR) Technical Assistance Program (TAP).

Tap into DNR will focus on the environmental concerns of small and medium businesses. Information for local governments also will be included. Articles will discuss how to comply with both federal and state environmental regulations, how to prevent pollution, environmental success stories from businesses and news from the DNR, U. S. Environmental Protection Agency and other states.

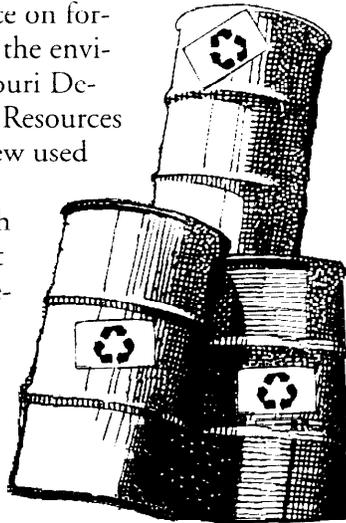
We plan to have a regular feature called the "Call 'em" column, which you will find on page 3. In the "Call 'em" column, we will ask for your input, about the newsletter and TAP services. This column is where we will also respond to commonly asked questions.

Our goal is to help you understand and comply with environmental regulations in a way that we hope will improve your operations. If you have questions or comments, complaints or compliments, please let us know! You can reach TAP by calling (314) 526-6627 or 1-800-361-4827 or by writing to TAP, Missouri Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102.

Tap into DNR is the quarterly newsletter of the Missouri Department of Natural Resources,
Technical Assistance Program, P.O. Box 176, Jefferson City, MO 65102-0176
Phone number: (314) 526-6627, fax number: (314) 526-5808

New Management Standards for Recycled Used Oil

Recycling used oil makes good sense. Recycling reduces our dependence on foreign oil and protects the environment. The Missouri Department of Natural Resources (DNR) has issued new used oil regulations that protect human health and the environment while encouraging recycling. The new rule incorporates, with changes, the federal used oil rule. Some important changes are listed below:



- Oil spilled into the environment is used oil.
- Oil used as solvent is not used oil.
- Recycled used oil is not a hazardous waste.
- Generators are not required to register with DNR. They must meet standards.
- Generators may burn their own used oil in space heaters. Resource recovery certification is not required.
- Generators may self transport up to 55 gallons of used oil to approved collection centers.
- Used oil from household do-it-yourselfers and certain farmers is exempt from regulation until it is collected.
- Used oil collection facilities must notify DNR and meet standards.
- Used oil shipments destined for recycling require a Used Oil Shipment Record.

- Used oil processors, re-refiners and off-spec burners must obtain an Environmental Protection Agency identification number and meet standards.
- Used oil to be disposed is a hazardous waste. It retains the D098 waste code. Low concentration PCB used oil to be disposed retains the D096 waste code.

Some important requirements are still in effect:

- Used oil shall not be disposed into the environment or cause a public nuisance.
 - Used oil is prohibited from disposal in a sanitary landfill.
 - Used oil cannot be used for dust control.
- Technical bulletins on used oil management are available. For more information, call the Hazardous Waste Program at (314) 751-3176 or June Sullens at (314) 526-6627.

Storm Water Regulations May Apply to Your Business

Do you own or operate an industrial, manufacturing, mining, transportation or waste disposal site? Are you disturbing more than five acres of land? If so, you may need a permit to discharge storm water.

State regulations passed in August 1992 require a Missouri State Operating Permit for the discharge of storm water runoff from certain sites. The regulations address pollution in rain water runoff discharged from certain industrial sites, construction sites and urban storm sewers. Pollutants of primary concern are sediment, petroleum products, chemicals and waste materials. Permit applications were due Oct. 1, 1992.

Although the application deadline has passed, you still need to apply for a permit if your business or property is subject to the regulation. The department estimates that only about 20 percent of the industries and construction activities needing a permit have applied for one.

In Missouri, storm water permitting requirements are being handled in two ways -- general permits and site specific permits.

General Permits - When applicable, a general permit is written to cover similar industries and activities within the state. A general permit containing environmental control requirement covers a particular industry or class of industries.

This single, state-wide "generic" permit is issued to each facility for which it has been prepared. To be covered under a general permit, a facility owner or operator must submit the appropriate information. For example, a general



permit that covers land disturbances of five acres or more is available, but a owner or operator must apply to be covered by it. Call (314) 526-6627 to receive a list of industries covered by general permits.

If you have applied for a general permit, you should receive your permit within the next few months. Department staff are finishing the application backlog created by the new regulations.

Site Specific Permits - Site specific permits are needed for a business if it

- stores toxic materials or exposes large amounts of potential contaminants to rainfall,
- has been cited for water quality violations,
- needs close monitoring,
- is one of a few of its kind in the state.

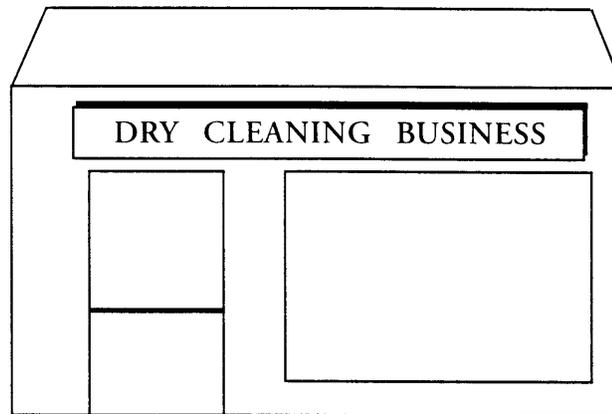
An individual facility should apply directly to the department for a permit. Technical bulletins discussing storm water requirements are available for many industries. For further information, contact DNR'S Water Pollution Control Program at (314) 751-6825 or call the Technical Assistance Program at (314) 526-6627.

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Dry Cleaning Rule Requires Pollution Prevention and Good House-keeping

The Clean Air Act (CAA), re-authorized by Congress in 1990, directed the Environmental

Protection Agency (EPA) to regulate emissions of 189 toxic chemicals, including perchloroethylene, commonly called "perc," from a wide range of industrial sources. EPA is regulating emissions of perc from dry cleaners to meet the requirements of the CAA. Dry cleaners are the largest source of



perc emissions in the United States. Congress included perc on its list of CAA toxic chemicals because it is suspected to cause cancer in humans and is considered toxic. It can also cause dizziness, nausea and headaches.

What Dry Cleaners Must Do

All dry cleaners, regardless of size, must undertake the following pollution prevention steps:

Inspect all dry cleaning equipment at least every other week for leaks that are obvious from sight, smell or touch. For example, leaks are where drops of perc are visible on the outside of a machine or where a stream of air can be felt coming from a machine. Larger dry cleaners, those required to install control equipment under the regulation, must inspect equipment every week. All leaks must be repaired.

Keep a log of the leak detection and repair program results.

Follow good housekeeping practices, which include

- keeping all perc and wastes containing perc in covered containers with no leaks,
- draining cartridge filters in closed containers,
- keeping machine doors shut when clothing is not being transferred.

Operate and maintain all dry cleaning equipment according to manufacturers' instructions.

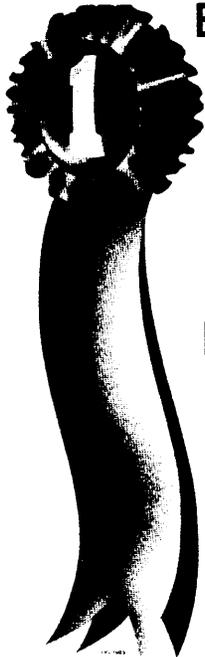
Keep a log of the amount of perc purchased for the past 12 months.

Other Requirements

More specific requirements exist for small and large dry cleaners. For information regarding dry cleaner requirements, please call the Technical Assistance Program at (314) 526-6627 or 1-800-361-4827.

The "Call'em" column

You can call for information on environmental quality rules and DNR publications. Or, you can write to Missouri Department of Natural Resources, TAP, P.O. Box 176, Jefferson City, MO 65102-0176. Phone number: (314) 526-6627 or 1-800-361-4827.



Businesses Honored by Governor for Pollution Prevention Efforts

MEMC Electronic Materials Inc. and Unitog Rental Services Inc. were hon-

ored by Governor Mel Carnahan during 1994 for their efforts in pollution prevention. The Wright County Soil & Water Conservation District won the award for agriculture.

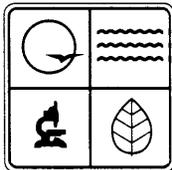
MEMC Electronics Inc., St. Peters, manufacturers silicon wafers. The company set goals to reduce emissions and the use of solvents and wastes to replace chlorinated solvents and to set up a solid waste recycling program. The company estimates annual savings of over \$1.1 million in avoided chemical and disposal costs, plus the environmental benefit of fewer emissions and wastes.

Unitog Rental Services Inc., University City, is an industrial

laundry processing plant. The company is using several unit processes to use heat from wash water, reduce chemical pollutants and suspended solids in wastewater, perform segregated treatment processes, reuse waste water and eliminate the use of chlorinated solvents in laundry processing.

The company saves energy and water costs and reduces the pollution caused when energy is generated.

It may be worthwhile to consider your business' pollution prevention options. For more information on pollution prevention, contact Becky Shannon, Technical Assistance Program, (314) 526-6627 or 1-800-361-4827.



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Division of Environmental Quality
Technical Assistance Program
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